

ABBREVIATIONS

ABC	AGGREGATE BASE COURSE	MAX	MAXIMUM
AC	ASPHALT CONCRETE	MIN	MINIMUM
AD	ALGEBRAIC DIFFERENCE	MSL	MEAN SEA LEVEL
BVCE	BEGIN VERTICAL CURVE ELEVATION	N	NORTHING
BVCS	BEGIN VERTICAL CURVE STATION	(NIC)	NOT IN CONTRACT
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE	NTS	NOT TO SCALE
		%	PERCENT
CMP	CORRUGATED METAL PIPE	PERF	PERFORATED
Δ	DELTA	PC	POINT OF CURVE
ø, DIA	DIAMETER	PT	POINT OF TANGENT
DWG	DRAWING	PVI	POINT OF VERTICAL INTERSECTION
EL, ELEV	ELEVATION	PVC	POLYVINYL CHLORIDE
E	EASTING	R	RADIUS
EOP, EP	EDGE OF PAVEMENT	RCB	REINFORCED CONCRETE BOX
EVCE	END VERTICAL CURVE ELEVATION	RCP	REINFORCED CONCRETE PIPE
EVCS	END VERTICAL CURVE STATION	RT	RIGHT
EG	EXISTING GRADE	R/W, ROW	RIGHT OF WAY
FT	FEET	SHT	SHEET
FFE	FINISHED FLOOR ELEVATION	S	SLOPE
FG	FINAL GRADE	SDR	STANDARD DIMENSION RATIO
FL	FLOWLINE ELEVATION	SG	SUBGRADE
FML	FLEXIBLE MEMBRANE LINER	SS	STAINLESS STEEL
GCOS	GAS COLLECTION CONTROL SYSTEM	STA	STATION
GCL	GEOSYNTHETIC CLAY LINER	TAN	TANGENT
HDPE	HIGH DENSITY POLYETHYLENE	TOC	TOP OF CURB
HP	HIGH POINT	TC	TOP OF CONCRETE
IE, INV	INVERT ELEVATION	TW	TOP OF WALL
K	RATE OF VERTICAL CURVATURE	(TYP)	TYPICAL
LFG	LANDFILL GAS	VC	VERTICAL CURVE
LCRS	LEACHATE COLLECTION AND REMOVAL SYSTEM		
LT	LEFT		
L	LENGTH		

GENERAL NOTES

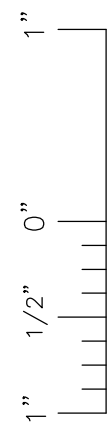
1. AERIAL TOPOGRAPHIC SURVEY PERFORMED BY CQM, INC. ON APRIL 23, 2018 WITHIN AREA SHOWN ON MAP AND SUPPLEMENTED BY SMC ON APRIL 7, 2017 AND KSM, INC., GRAND FORKS, NORTH DAKOTA; DATES OF AERIAL PHOTOGRAPHY ARE 2012, 2011, 2003 AND OCTOBER 3, 2000. TOPOGRAPHIC CONTOUR INTERVAL IS TWO FEET.
2. THE GRID SYSTEM IS BASED ON W/4 CORNER: 30+00.00N, 30+00.00E; AND SW CORNER: 03+46.59N, 30+23.97E. BOTH IN SECTION 35, T12N, R16E, TOWN OF WILLIAMSTOWN, DODGE COUNTY, WISCONSIN (COORDINATES PROVIDED BY WELSH, HANSON & ASSOCIATES, INC., OCONOMOWOC, WISCONSIN, AND ARE BASED ON LOCAL GRID).
3. ELEVATIONS ARE BASED ON U.S.G.S. DATUM.
4. WETLAND LIMITS FROM SOUTH EXPANSION PLAN OF OPERATION EXISTING CONDITIONS MAP PREPARED BY RMT, APRIL 2005, DELINEATION BY AYRES & ASSOC. IN 2001 AND 2002. NATURAL RESOURCES CONSULTING, INC. UPDATED THE WETLAND DELINEATION ALONG THE EAST SIDE OF GLACIER RIDGE LANDFILL AND LAND AND GAS RECLAMATION LANDFILL BETWEEN N 2850 AND S 450 IN OCTOBER 2009. ADDITIONAL LIMITS DIGITIZED FROM THE WISCONSIN WETLAND INVENTORY MAP, PREPARED BY THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES BUREAU OF PLANNING DATED APRIL 16 & JULY 1, 1982.
5. MONITORING WELL LOCATIONS FOR THE LAND AND GAS RECLAMATION, INC. LANDFILL AND DEMOLITION LANDFILL AREAS ARE BASED ON DATA PROVIDED TO BT SQUARED BY RMT ON MARCH 15, 2000 AND LOCATIONS PROVIDED IN APPENDIX D OF THE 1998 LAND AND GAS RECLAMATION LANDFILL ANNUAL REPORT PREPARED BY ENVIRONMENTAL SAMPLING CORP. MONITORING WELLS INSTALLED FOR THE SOUTHEAST EXPANSION FEASIBILITY REPORT AND LGRL INVESTIGATION IN 2009-2010 SURVEYED BY CQM.
6. MONITORING WELL LOCATIONS FOR THE GLACIER RIDGE AREA ARE BASED ON LOCATIONS PROVIDED IN K. SINGH & ASSOCIATES INC., MONTGOMERY WATSON'S 1998 PLAN OF OPERATION FOR HORIZONTAL AND VERTICAL EXPANSION, GLACIER RIDGE LANDFILL DRAWING NUMBER 1242051-27350101-F13 AND APPENDIX K, AND RMT'S 2004 SOUTH EXPANSION PLAN OF OPERATION EXISTING CONDITIONS MAP.
7. THE LOCATIONS OF GH6 AND GH7 ARE BASED ON INFORMATION PROVIDED BY NORTH SHORE ENGINEERING.
8. FORMER MONITORING WELLS WITHIN THE GRL FOOTPRINT HAVE BEEN ABANDONED. WELLS MW-204A, MW-408, MW-408A, A3A, PW-F WERE ABANDONED IN APRIL 2018.
9. BEGINNING IN 2014, THE LAND AND GAS RECLAMATION LANDFILL HAS BEEN REMOVED IN PHASES (BEGINNING WITH PHASE 6). MONITORING POINTS HAVE BEEN ABANDONED AS REQUIRED FOR THE WASTE REMOVAL AND IN ACCORDANCE WITH THE APPROVED PLAN OF OPERATION FOR THE GLACIER RIDGE LANDFILL SOUTHEAST EXPANSION. WASTE REMOVAL WAS COMPLETED IN 2016.
10. NOT ALL UNDERGROUND PIPING IS SHOWN AND SOME UNDERGROUND PIPING LOCATIONS ARE APPROXIMATE. DO NOT USE FOR UTILITY LOCATING.
11. THIS DRAWING WAS DERIVED FROM SCS ENGINEERS GLACIER RIDGE SOUTHEAST EXPANSION, APPROVED PLAN OF OPERATION, NOVEMBER 2013, THE 2017 ANNUAL REPORT "FIGURE 2 SITE MONITORING POINTS", AND THE 2018 MASTER GAS PLAN.

LEGEND

	APPROXIMATE PROPERTY LINE
	APPROXIMATE MUNICIPAL BOUNDARY
	GROUND SURFACE (10' CONTOUR)
	GROUND SURFACE (2' CONTOUR)
	SPOT ELEVATION
	PAVED ROAD
	UNPAVED ROAD
	RAILROAD
	DRAINAGE SWALE
	WATER/WETLAND
	VEGETATION
	BUILDING
	FENCE
	APPROVED LIMITS OF WASTE
	FORMER LGRL LIMITS OF WASTE
	PROPOSED VERTICAL EXPANSION AREA
	1,200-FOOT & 1,500-FOOT PRIVATE WELL SETBACK
	CONSTRUCTED LANDFILL LIMITS OF WASTE
	APPROVED PHASE LIMITS
	LIMITS OF CONSTRUCTED CLAY LINER
	GROUNDWATER CONTROL TRENCH AND COLLECTION PIPE
	GROUNDWATER CONTROL TRENCH DISCHARGE PIPE
	OVERHEAD ELECTRIC
	ABANDONED MONITORING WELL
	ABANDONED WATER SUPPLY WELL
	APPROXIMATE LOCATION OF SEPTIC SYSTEM
	APPROXIMATE LOCATION OF ABANDONED SEPTIC SYSTEM
	MONITORING WELL
	WATER SUPPLY WELL
	SOIL BORING
	WASTE BORING
	CONTROL MONUMENT
	GAS PROBE
	LEACHATE HEADWELL
	LYSIMETER
	STAFF GAUGE
	GROUNDWATER LIFT STATION
	HORIZONTAL GROUNDWATER HEAD MONITORING WELL
	LEACHATE COLLECTION VAULT
	TEST PIT
	GAS EXTRACTION WELL

HORIZONTAL AND VERTICAL CONTROL POINTS				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP1	~461.37	2990.53	958.88	DISK SET IN CONCRETE
CP2	1974.16	4717.15	948.41	P.K. 2.3' FROM BUILDING
CP3	2286.82	4723.40	965.61	DISK SET IN CONCRETE
CP4	2848.39	5040.10	966.89	DISK SET IN CONCRETE
CP5	3248.34	5210.36	965.57	DISK SET IN CONCRETE
CP6	5114.67	5389.34	946.56	DISK SET IN CONCRETE
CP7	4035.42	4360.68	960.67	DISK SET IN CONCRETE
CP8	2666.49	3841.46	946.67	DISK SET IN CONCRETE
CP9	2051.18	3105.17	956.05	DISK SET IN CONCRETE
CP10	404.26	3112.90	949.30	DISK SET IN CONCRETE
CP 503	2280.78	4733.45	963.31	DISK SET IN CONCRETE
CP 504	2836.12	5055.26	962.38	DISK SET IN CONCRETE

CONTROL POINTS PROVIDED BY CQM, INC, MARCH 2013.



REV	DATE	DESCRIPTION	OWN BY	DES BY	CHK BY	APP BY
DATE OF ISSUE	9/14/2018	DRAWN BY SSW	CHECKED BY JCO	DESIGNED BY	APPROVED BY MJT	



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ADVANCED DISPOSAL SERVICES
GLACIER RIDGE LANDFILL
DODGE COUNTY, WISCONSIN
FEASIBILITY REPORT
SOUTH - SOUTHEAST VERTICAL EXPANSION
LEGEND AND NOTES

SHEET NO.
2
PROJECT NO.
180250